

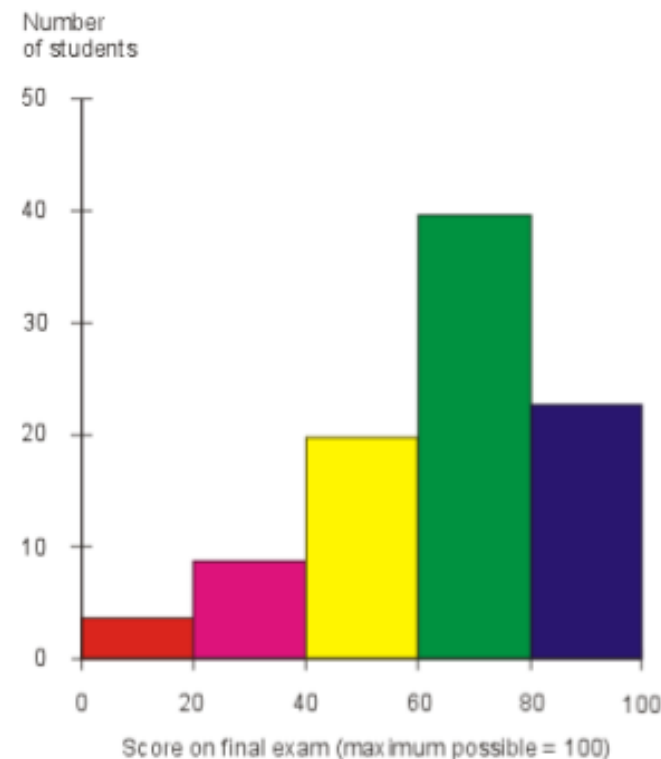
1.3 Histograms

Histograms = shows the frequency of values in a set of numerical data. They help us to see the distribution of data.

- Not a bar chart as they use bins and a bar chart can use non numerical data.

Vertical Axis = shows the frequency of the data within each bin.

Horizontal Axis = data values grouped into bins.



How to form one:

The following is the OHS girl's basketball team's points scored in 28 games from last season:

32 32 36 37 37 38 43 44 46 49 52 55 55 56
58 59 61 61 62 62 63 70 72 73 77 82 84 86

1) A bin size is chosen; however you should limit to only 6 or 7 bins.

** often is given to you **

A bin size of 10

2) A frequency table is created:

** The bin 30 - 40 includes values that are 30 or greater but less than 40, etc.**

Bin	Tally	Frequency
30 - 40		
40 - 50		
50 - 60		
60 - 70		
70 - 80		
80 - 90		

3) Use the frequency table to draw a histogram to display the data.
Label your axis and histogram.

Bin	Tally	Frequency
30 - 40	I	6
40 - 50		4
50 - 60	I	6
60 - 70		5
70 - 80		4
80 - 90		3

4) Mark a line for the
median and mean.

